

JAVA.UTIL.FORMATTER CLASS

http://www.tutorialspoint.com/java/util/java_util_formatter.htm

Copyright © tutorialspoint.com

Introduction

The **java.util.Formatter** class provides support for layout justification and alignment, common formats for numeric, string, and date/time data, and locale-specific output. Following are the important points about Formatter:

- Formatters are not necessarily safe for multithreaded access. Thread safety is optional and is the responsibility of users of methods in this class.

Class declaration

Following is the declaration for **java.util.Formatter** class:

```
public final class Formatter
    extends Object
    implements Closeable, Flushable
```

Class constructors

S.N.	Constructor & Description
1	Formatter() This constructor constructs a new formatter.
2	Formatter(Appendable a) This constructor constructs a new formatter with the specified destination.
3	Formatter(Appendable a, Locale l) This constructor constructs a new formatter with the specified destination and locale.
4	Formatter(File file) This constructor constructs a new formatter with the specified file.
5	Formatter(File file, String csn) This constructor constructs a new formatter with the specified file and charset.
6	Formatter(File file, String csn, Locale l) This constructor constructs a new formatter with the specified file, charset, and locale.
7	Formatter(Locale l) This constructor constructs a new formatter with the specified locale.
8	Formatter(OutputStream os) This constructor constructs a new formatter with the specified output stream.
9	Formatter(OutputStream os, String csn) This constructor constructs a new formatter with the specified output stream and charset.
10	Formatter(OutputStream os, String csn, Locale l) This constructor constructs a new formatter with the specified output stream, charset, and locale.

11	Formatter(PrintStream ps) This constructor constructs a new formatter with the specified print stream.
12	Formatter(String fileName) This constructor constructs a new formatter with the specified file name.
13	Formatter(String fileName, String csn) This constructor constructs a new formatter with the specified file name and charset.
14	Formatter(String fileName, String csn, Locale l) This constructor constructs a new formatter with the specified file name, charset, and locale.

Class methods

S.N.	Method & Description
1	<u>void close()</u> This method closes this formatter.
2	<u>void flush()</u> This method flushes this formatter.
3	<u>Formatter format(Locale l, String format, Object... args)</u> This method writes a formatted string to this object's destination using the specified locale, format string, and arguments.
4	<u>Formatter format(String format, Object... args)</u> This method writes a formatted string to this object's destination using the specified format string and arguments.
5	<u>IOException ioException()</u> This method returns the IOException last thrown by this formatter's Appendable.
6	<u>Locale locale()</u> This method returns the locale set by the construction of this formatter.
7	<u>Appendable out()</u> This method returns the destination for the output.
8	<u>String toString()</u> This method returns the result of invoking toString() on the destination for the output.

Methods inherited

This class inherits methods from the following classes:

- java.util.Object